

WHAT IS CLAIMED IS:

1. A light emitting device comprising:

a light emitting element at a front surface of a substrate;  
a color filter at a back surface of the substrate.

5 2. A light emitting device comprising:

at least a pixel including a light emitting element at front surface of a  
substrate;

a transparent substrate comprising at least a colored layer,

10 wherein the transparent substrate is located at a back surface of the  
substrate having a resin film interposed therebetween.

3. A device according to claim 2,

wherein the colored layer is formed corresponding to a position of the  
pixel.

4. A device according to claim 2,

15 wherein the transparent substrate comprises an antireflection film or a  
polarization plate.

5. A device according to claim 2,

wherein the transparent substrate comprises a polymeric material.

6. A device according to claim 2,

20 wherein the transparent substrate comprises a polymeric material,

wherein a front surface and a back surface of the transparent substrate are covered by a carbon film or a silicon nitride film.

7. A device according to claim 1,

wherein the substrate has a thickness in a range of 300  $\mu\text{m}$  or less.

5 8. A device according to claim 1,

wherein the light emitting element is electrically connected to a semiconductor element.

9. A method of manufacturing a light emitting device, said method comprising the steps of:

10 forming a light emitting element at a front surface of a substrate;  
bonding a color filter at a back surface of the substrate.

10. A method of manufacturing a light emitting device, said method comprising the steps of:

forming a semiconductor element and a light emitting element being  
15 electrically connected to the semiconductor element at a front surface of a substrate;  
bonding a color filter at a back surface of the substrate.

11. A method of manufacturing a light emitting device, said method comprising the steps of:

20 forming a light emitting element at a front surface of a substrate;  
bonding a transparent substrate comprising at least a colored layer at a

back surface of the substrate.

12. A method of manufacturing a light emitting device, said method comprising the steps of:

forming a semiconductor element and a light emitting element being  
5 electrically connected to the semiconductor element at a front surface of a substrate;

bonding a transparent substrate comprising at least a colored layer at a back surface of the substrate.

13. A method according to claim 11, further comprising the step of:

10 bonding an antireflection film or a polarization plate to the transparent substrate.

14. A method according to claim 11,

wherein the transparent substrate comprises a polymeric material.

15. A method according to claim 9, further comprising the step of:

15 polishing the back surface of the substrate by a chemical mechanical polishing method.

16. A method according to claim 10, further comprising the step of:

polishing the back surface of the substrate by a chemical mechanical polishing method.

20 17. A method according to claim 11, further comprising the step of:

polishing the back surface of the substrate by a chemical mechanical polishing method.

18. A method according to claim 12, further comprising the step of:  
bonding an antireflection film or a polarization plate to the transparent  
5 substrate.

19. A method according to claim 12,  
wherein the transparent substrate comprises a polymeric material.

20. A method according to claim 12, further comprising the step of:  
polishing the back surface of the substrate by a chemical mechanical  
10 polishing method.

21. A device according to claim 2,  
wherein the substrate has a thickness in a range of 300  $\mu\text{m}$  or less.

22. A device according to claim 2,  
wherein the light emitting element is electrically connected to a  
15 semiconductor element.